Performance Data Sheet

AVB5549EXG

General Information

Model	AVB5549EXG	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	13200	11500					
	Watts	1890	1930					
	Amps	3.92	3.94					
	Lb/h	170	154					
-10	Btu/h	16200	14400	12700				
	Watts	2060	2130	2170				
	Amps	4.10	4.14	4.17				
	Lb/h	208	192	177				
-5	Btu/h	19500	17500	15600	13800			
	Watts	2220	2310	2370	2410			
	Amps	4.26	4.32	4.37	4.41			
	Lb/h	249	231	215	200			
0	Btu/h	23000	20800	18700	16700	14900		
	Watts	2360	2480	2570	2630	2680		
	Amps	4.41	4.48	4.56	4.63	4.67		
	Lb/h	292	274	256	239	223		
5	Btu/h	26800	24400	22100	19900	17800		
	Watts	2490	2630	2740	2840	2910		
	Amps	4.53	4.63	4.74	4.84	4.91		
	Lb/h	338	319	300	282	264		
10	Btu/h	30900	28300	25800	23300	21000	18700	16500
	Watts	2600	2770	2910	3030	3130	3210	3280
	Amps	4.64	4.76	4.90	5.03	5.14	5.21	5.23
	Lb/h	388	367	348	328	309	289	269
15	Btu/h	35400	32500	29700	27000	24400	21900	19400
	Watts	2690	2890	3060	3210	3330	3450	3540
	Amps	4.74	4.88	5.04	5.20	5.35	5.46	5.52
	Lb/h	440	419	399	378	357	335	313
20	Btu/h	40200	37100	34100	31100	28200	25300	22600
	Watts	2760	2990	3190	3370	3530	3670	3800
	Amps	4.81	4.98	5.17	5.36	5.54	5.70	5.81
	Lb/h	496	475	453	431	409	386	361

25	Btu/h	45300	42000	38700	35500	32300	29100	26000
	Watts	2820	3080	3310	3520	3710	3880	4040
	Amps	4.88	5.07	5.28	5.51	5.73	5.92	6.08
	Lb/h	556	534	512	489	465	440	414
30	Btu/h	50900	47300	43700	40200	36700	33300	29800
	Watts	2860	3150	3420	3660	3880	4080	4270
	Amps	4.92	5.14	5.38	5.64	5.90	6.14	6.34
	Lb/h	620	598	575	551	526	499	471
35	Btu/h	56800	53000	49200	45400	41600	37800	34000
	Watts	2880	3200	3510	3780	4040	4270	4500
	Amps	4.95	5.19	5.47	5.76	6.06	6.34	6.58
	Lb/h	688	665	642	617	591	563	533
40	Btu/h	63200	59100	55000	50900	46800	42700	38600
	Watts	2870	3240	3580	3890	4180	4450	4710
	Amps	4.96	5.23	5.54	5.87	6.20	6.52	6.82
	Lb/h	761	738	714	688	661	631	600
45	Btu/h	70000	65700	61300	56900	52500	48000	43500
	Watts	2850	3250	3630	3980	4300	4610	4900
	Amps	4.96	5.26	5.60	5.96	6.33	6.70	7.04
	Lb/h	838	815	791	764	736	705	672
50	Btu/h	77400	72700	68100	63300	58600	53700	48900
	Watts	2810	3250	3660	4050	4410	4760	5090
	Amps	4.95	5.27	5.64	6.04	6.45	6.86	7.26
	Lb/h	920	897	873	846	816	784	750
55	Btu/h	85200	80300	75300	70200	65100	60000	54700
	Watts	2750	3230	3680	4100	4510	4890	5260
	Amps	4.92	5.27	5.67	6.11	6.56	7.02	7.46
	Lb/h	1010	985	960	932	902	869	833

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.532012E+04	4.352945E+01	5.944661E+00	5.066860E+02
C2	9.251631E+02	-1.631032E+01	2.298187E-02	8.107031E+00
C3	-3.279297E+02	4.869369E+01	-6.290178E-02	-3.674209E+00
C4	7.008979E+00	-5.334655E-01	-4.472759E-04	4.228623E-02
C5	-1.025980E+00	5.577281E-01	-2.853421E-04	3.491252E-02
C6	6.065509E-01	-2.939710E-01	7.665133E-04	1.536598E-02
C7	2.997272E-02	-6.881496E-04	3.336502E-07	3.090268E-04
C8	-1.801270E-02	2.650166E-03	1.310956E-06	1.836834E-04
C9	-1.707075E-02	-2.381359E-04	4.205886E-06	-3.071771E-04
C10	1.043986E-04	5.926611E-04	-2.755937E-06	-3.691611E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature